

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	("2356651"   "2368865"   "2388391"   "2388392"   "2388393"   "2388394"   "2388395"   "2388860"   "2388862"   "2390628").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 13:51
S2	247	("1233888"   "1880218"   "1981525"   "2046870"   "2214226"   "2447629"   "2583316"   "0002626"   "2734580"   "2796134"   "2812025"   "2907589"   "3067819"   "3104703"   "3111991"   "3167122"   "3175618"   "3179168"   "3188816"   "3191677"   "3191680"   "3203451"   "3203483"   "3245471"   "3270817"   "3297092"   "3326293"   "3353599"   "3354955"   "3358760"   "3358769"   "3364993"   "3419080"   "3424244"   "3477506"   "3489220"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 14:56

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S3	6	("3381756"   "4921577"   "5180010"   "5718288"   "6135208").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 15:56
S4	0	"166"/\$.ccls. and wellbore and radially and (ball sphere)	US-PGPUB; USPAT	OR	OFF	2007/03/08 15:01
S5	1922	"166"/\$.ccls. and wellbore and casing and (ball sphere)	US-PGPUB; USPAT	OR	ON	2007/03/08 15:01
S6	1201	"166"/\$.ccls. and wellbore and casing and (ball sphere) and radia\$3	US-PGPUB; USPAT	OR	ON	2007/03/08 15:02
S7	1044	"166"/\$.ccls. and wellbore and casing and (ball sphere) and radially	US-PGPUB; USPAT	OR	ON	2007/03/08 15:02
S8	139	"166"/\$.ccls. and wellbore and casing and (ball sphere) and radially and inlet and outlet and annular	US-PGPUB; USPAT	OR	ON	2007/03/08 16:35
S9	4	"20020100595"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 15:18
S10	14	137/599.06.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 16:15
S11	795	"166"/\$.ccls. and wellbore and casing and (ball sphere) and radially and annular	US-PGPUB; USPAT	OR	ON	2007/03/08 16:36

S12	795	"166"/\$.ccls. and wellbore and casing and (ball sphere) and radially and annular	US-PGPUB; USPAT	OR	ON	2007/03/08 16:36
S13	578	137/883.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/28 15:19
S14	4	"166"/\$.ccls. and S13	US-PGPUB; USPAT	OR	OFF	2007/03/28 15:19
S15	5	("2881794"   "4625721"   "5280131"   "6164310").PN. OR ("6874536").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 15:24
S16	12	("2907346"   "5065794"   "5273075"   "5279328"   "5335696"   "5427150"   "5476118"   "5875817"   "D362294").PN. OR ("6032690").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 16:12
S17	589	166/325.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 16:12
S18	399	166/325.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/28 17:41
S19	1	"4627488".pn.	US-PGPUB; USPAT	OR	OFF	2007/03/28 17:41
S20	52	("2210245"   "2894588"   "3710862"   "4270608"   "4270610"   "4273190"   "4295524"   "4296807"   "4369840"   "4401158"   "4428428"   "4429748"   "4438933"   "4474239"   "4583593").PN. OR ("4627488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 17:41

S21	24	("2299057"   "3987854"   "4541486"   "4606408"   "4627488"   "4638859"   "4733723"   "4944348").PN. OR ("5597040").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 17:51
S22	1	"5040567".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 13:21
S23	859	166/207.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 11:26
S24	810	166/207.ccls.	US-PGPUB; USPAT	OR	OFF	2008/07/24 11:27
S25	270	expansion adj cone and S24	US-PGPUB; USPAT	OR	OFF	2008/07/24 11:27
S26	810	166/207.ccls.	US-PGPUB; USPAT	OR	OFF	2008/07/24 12:45
S27	160	(expansion adj cone with pressure) and S26	US-PGPUB; USPAT	OR	OFF	2008/07/24 12:45
S28	481	166/208.ccls.	US-PGPUB; USPAT	OR	OFF	2008/07/24 13:24
S29	11	(expansion adj cone with pressure) and S28	US-PGPUB; USPAT	OR	OFF	2008/07/24 13:24

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